



Sequence Listing 5199-69.txt  
SEQUENCE LISTING

<110> Columbia University  
Greene, Lloyd A.  
Angelastro, James M.

<120> Methods for Regulating Differentiation of Neural Cells and Uses  
Thereof

<130> 5199-69

<140> US 10/809, 312

<141> 2004-03-24

<150> 60/460,242

<151> 2003-04-04

<160> 20

<170> PatentIn version 3.2

<210> 1

<211> 1034

<212> DNA

<213> Human

<400> 1

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ccccctggg cccctatgag gtccttgggg gtgccctgga gggcgggctt ccaggggggg 180

gagagcccc tggcaggtgac ggcttctctg attggatgac cgagcgggtg gacttcacag 240

ccctccttcc tctggaggcc cctctgcccc caggcactct cccccaccc tcccctgccc 300

cccctgacct ggaagccatg gcatccctac tcaagaagga gctagaacag atggaagact 360

tcttcttgta tgccccactc cttccaccgc cctccccacc tccaccccca ccccagcac 420

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tgacaaccct gcctgtcccc cagcagcctc ctctctggc ccctctgcct tcaccctccc 600

gaccagcccc ctatcctagt cctgcccagca cccgagggga ccgcaagcaa aagaagagag 660

accagaataa gtcagctgct ctcaggtacc gccagaggaa gcgggcagag ggcgaggccc 720

tggagggcga gtgccaaggc ctagaggcgc ggaatcggga gctgaggag agggcagagt 780

cagtggaacg ggagatccag tatgtgaagg atctgcta attgaggttat aaggcacgaa 840

gccagaggac ccgcagtgcc tagggtagag gaggaggcag ttctggtgta cctgtgcctc 900

cagcttcacc ctgtccctcc atttcacttc cctgtgcata cgtgtctagg tctcccctct 960

gcctatcccc attatgggtt atttggcata gtcagtttct gtaccccttc agtgcaactg 1020

agaaccaagc tcga 1034

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<211> 281

<212> PRT

<213> Human

<400> 2

Met Ser Leu Leu Ala Thr Leu Gly Leu Glu Leu Asp Arg Ala Leu Leu  
1 5 10 15

Pro Ala Ser Gly Leu Gly Trp Leu Val Asp Tyr Gly Lys Leu Pro Leu  
20 25 30

Ala Pro Ala Pro Leu Gly Pro Tyr Glu Val Leu Gly Gly Ala Leu Glu  
35 40 45

Gly Gly Leu Pro Gly Gly Gly Glu Pro Leu Ala Gly Asp Gly Phe Ser  
50 55 60

Asp Trp Met Thr Glu Arg Val Asp Phe Thr Ala Leu Leu Pro Leu Glu  
65 70 75 80

Ala Pro Leu Pro Pro Gly Thr Leu Pro Pro Pro Ser Pro Ala Pro Pro  
85 90 95

Asp Leu Glu Ala Met Ala Ser Leu Leu Lys Lys Glu Leu Glu Gln Met  
100 105 110

Glu Asp Phe Phe Leu Asp Ala Pro Leu Leu Pro Pro Pro Ser Pro Pro  
115 120 125

Pro Pro Pro Pro Pro Ala Pro Ser Leu Pro Leu Pro Leu Pro Leu Pro  
130 135 140

Thr Phe Asp Leu Pro Gln Pro Pro Thr Leu Asp Thr Leu Asp Leu Leu  
145 150 155 160

Ala Val Tyr Cys Arg Ser Glu Ala Gly Pro Gly Asp Ser Gly Leu Thr  
165 170 175

Thr Leu Pro Val Pro Gln Gln Pro Pro Pro Leu Ala Pro Leu Pro Ser  
180 185 190

Pro Ser Arg Pro Ala Pro Tyr Pro Ser Pro Ala Ser Thr Arg Gly Asp  
195 200 205

Arg Lys Gln Lys Lys Arg Asp Gln Asn Lys Ser Ala Ala Leu Arg Tyr  
210 215 220

Arg Gln Arg Lys Arg Ala Glu Gly Glu Ala Leu Glu Gly Glu Cys Gln  
225 230 235 240

Gly Leu Glu Ala Arg Asn Arg Glu Leu Arg Glu Arg Ala Glu Ser Val  
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250 255

245

Glu Arg Glu Ile Gln Tyr Val Lys Asp Leu Leu Ile Glu Val Tyr Lys  
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Ala Arg Ser Gln Arg Thr Arg Ser Ala  
275 280

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catgagaacc tagtc

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<400> 4

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<212> DNA

<213> artificial sequence

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57

Sequence Listing 5199-69.txt

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 ttcgaggggtg ctggcaggac taggata 87  
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Sequence Listing 5199-69.txt

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 agctagaggg cgagtgcctaa ggg 83

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Sequence Listing 5199-69.txt

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<223> primer

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<211> 30

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Met Asp Tyr Lys Asp Asp Asp Asp Lys Met Ala Ser Met Thr Gly Gly  
 1 5 10 15

Gln Gln Met Gly Arg Asp Pro Asp Leu Glu Gln Arg Ala Glu Glu Leu  
 20 25 30

Arg Glu Asn Glu Glu Leu Leu Glu Lys Glu Ala Glu Glu Leu Glu Gln  
 35 40 45

Glu Asn Ala Glu Leu Glu Gly Glu Cys Gln Gly Leu Glu Ala Arg Asn  
 50 55 60

Arg Glu Leu Arg Glu Arg Ala Glu Ser Val Glu Arg Glu Ile Gln Tyr  
 65 70 75 80

Val Lys Asp Leu Leu Ile Glu Val Tyr Lys Ala Arg Ser Gln Arg Thr  
 85 90 95

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Arg Ser Ala

<210> 18

<211> 92

<212> DNA

<213> artificial sequence

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<223> synthetic oligo nucleotide

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ttatcatggg aaaaatgacg tcatggtaat ta 92

<210> 19

<211> 92

<212> DNA

<213> artificial sequence

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<223> synthetic oligo nucleotide

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agcttaatta ccatgacgac atttttacca tgataattac catgacgtca tttttaccat 60

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<210> 20

<211> 21

<212> RNA

<213> artificial sequence

<220>

<223> synthetic oligo nucleotide

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